

Fig. 1. The mevalonate pathway (11).

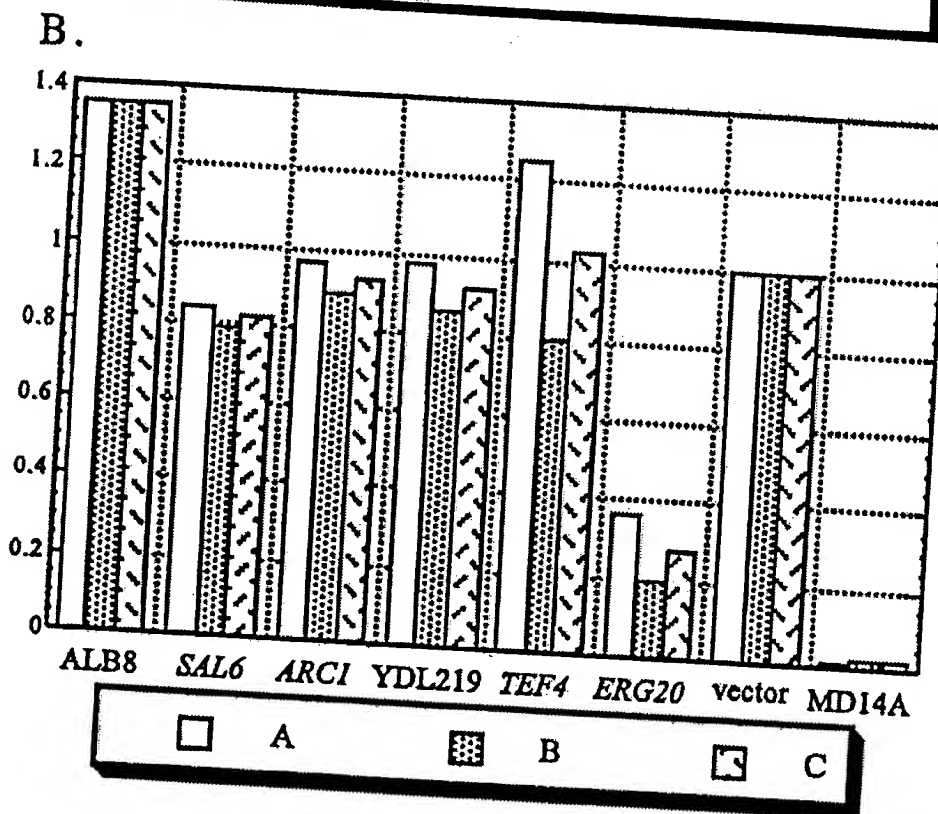
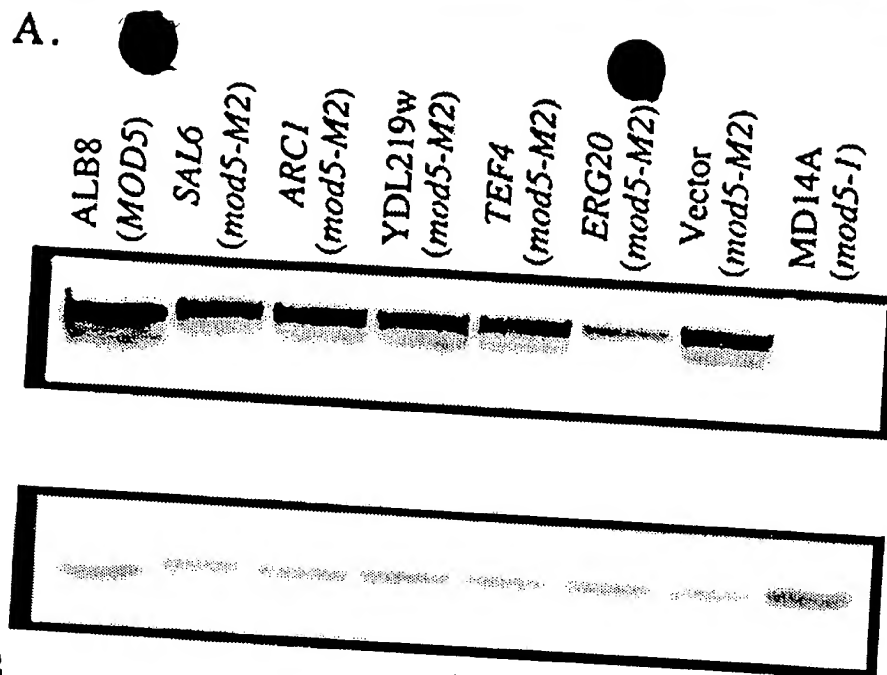
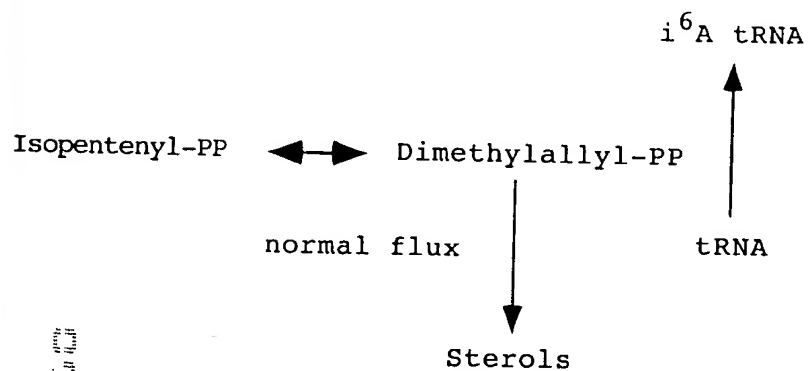


Fig. 2. The level of isopentenylated tRNA found in ALB1 overexpressing *ERG20* is reduced substantially. (A) Low-molecular-weight RNA was prepared from ALB1 (*mod5-M2*) with each of the candidate genes or vector alone, ALB8 (*MOD5*), or MD14A (*mod5-1*). The RNAs were resolved on polyacrylamide gels, transferred to membranes, and probed with anti-isopentenyl adenosine antibody (*Upper*) or radiolabeled oligonucleotide complementary to mature tRNA^{Trp} (*Lower*). (B) The levels of isopentenyl adenosine tRNA found in ALB1 were assessed by densitometric analysis of two immunoblots and expressed as a fraction of the level found in the "vector" control. A, membrane 1 values; B, membrane 2 values; C, average values.

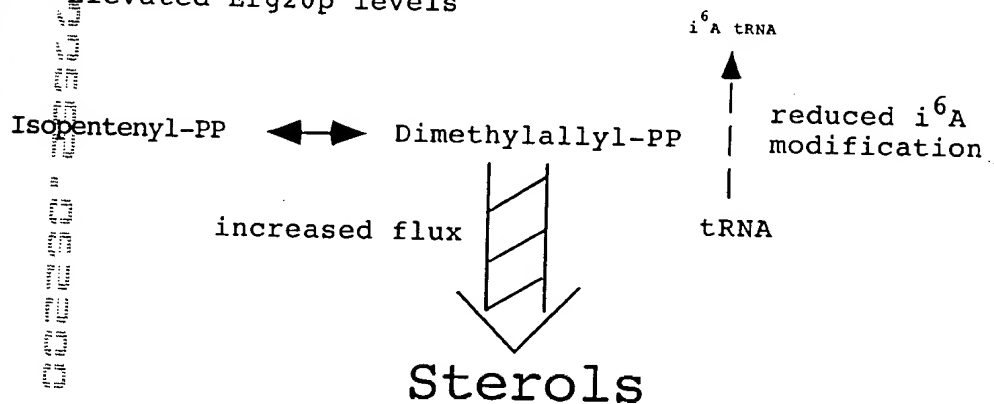
A. Normal Erg20p levels



Phenotype of ALB1 cells

white/light pink colonies; growth on -ade media; no growth on canavanine-containing media

B. Elevated Erg20p levels



pink/red colonies; poor growth on -ade media; able to grow on canavanine-containing media

Fig. 3. Model of competition between i^6A modification of tRNA and sterol biosynthesis.

Phenotype of Yeast

ALB1

T8-1D (YComod5) M2 KR6

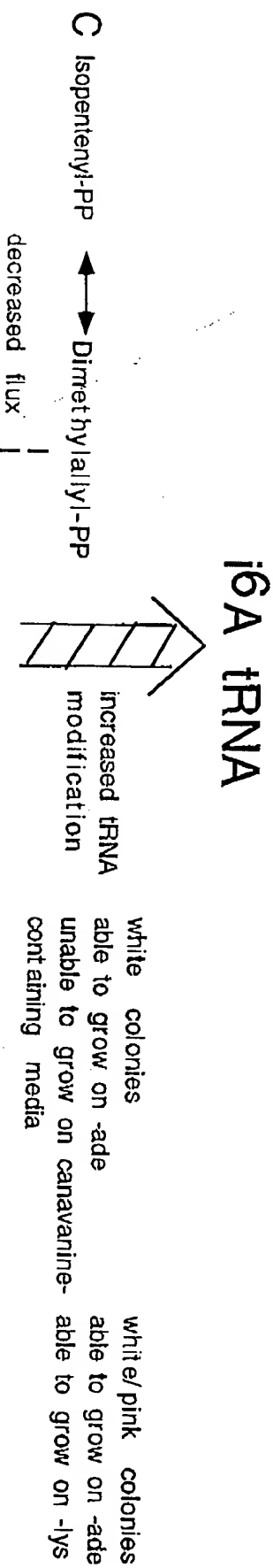
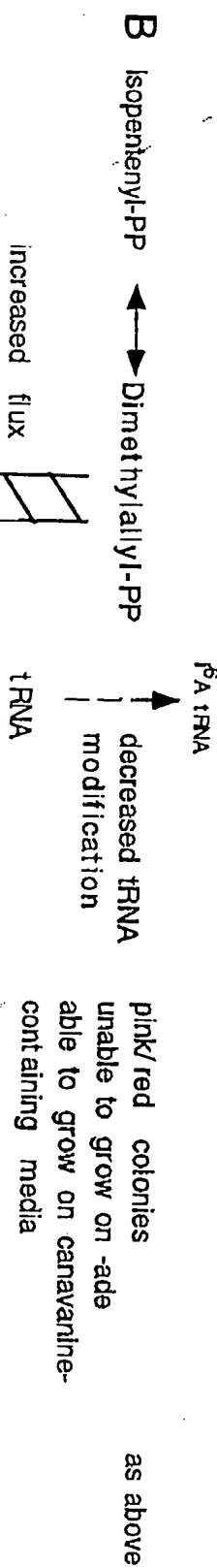


FIGURE 5

